

B.Sc. DEGREE EXAMINATION, EVEN SEMESTER 2021
III Year V Semester
Genetics and Plant Breeding

Max.marks :25

Answer any **FIVE** questions ($5 \times 5 = 25$) Marks

1. Differentiate between Monohybrid and Dihybrid crosses.
2. Explain the Plastid inheritance in Mirabilis.
3. Write notes on mutagenic agents and its significance.
4. Briefly explain the DNA finger printing mechanism.
5. Explain the applications of Polyploidy in Plant Breeding.
6. Comment on Hardy Weinberg principle.
7. What is gene therapy? Explain.